



SUPPLEMENTAL INTENDED USE PLANS
For the American Recovery and Reinvestment Act of 2009

Clean Water State Revolving Fund
Drinking Water State Revolving Fund

Iowa Department of Natural Resources
Iowa Finance Authority

*Approved by the Iowa Environmental Protection Commission
on May 19, 2009*

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EXECUTIVE SUMMARY

The environmental protection section of the American Recovery and Reinvestment Act of 2009 (ARRA) included \$6 billion for the State Revolving Fund (SRF) programs. The Clean Water SRF finances the design and construction of wastewater treatment upgrades, sewer rehabilitation, combined sewer overflow correction, and stormwater quality management. The Drinking Water SRF finances the design and construction of water treatment, storage, and water supply projects.

Iowa's ARRA allocation is:

- Clean Water SRF: \$53,040,000
- Drinking Water SRF: \$24,293,000

The goals of the ARRA related to the SRF are as follows:

- To preserve and create jobs and promote economic recovery.
- To assist those most impacted by the recession.
- To provide investments needed to increase economic efficiency by spurring technological advances in science and health.
- To invest in environmental protection and other infrastructure that will provide long-term economic benefits.
- To stabilize state and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive state and local tax increases.

It is up to each state to determine how to meet these goals. The funding available through the ARRA creates both new opportunities and new challenges for Iowa's SRF program users. Some applicants will receive loan forgiveness for a portion of their projects. However, along with that benefit there are new requirements that have the potential for increasing costs and/or delaying the bidding process, including Davis-Bacon prevailing wage rates and "Buy American" provisions.

Iowa's proposed method of allocating loan forgiveness is intended to spread the benefits of the ARRA funds to as many applicants as possible and incentivize new efforts, while offsetting additional costs related to new federal requirements.

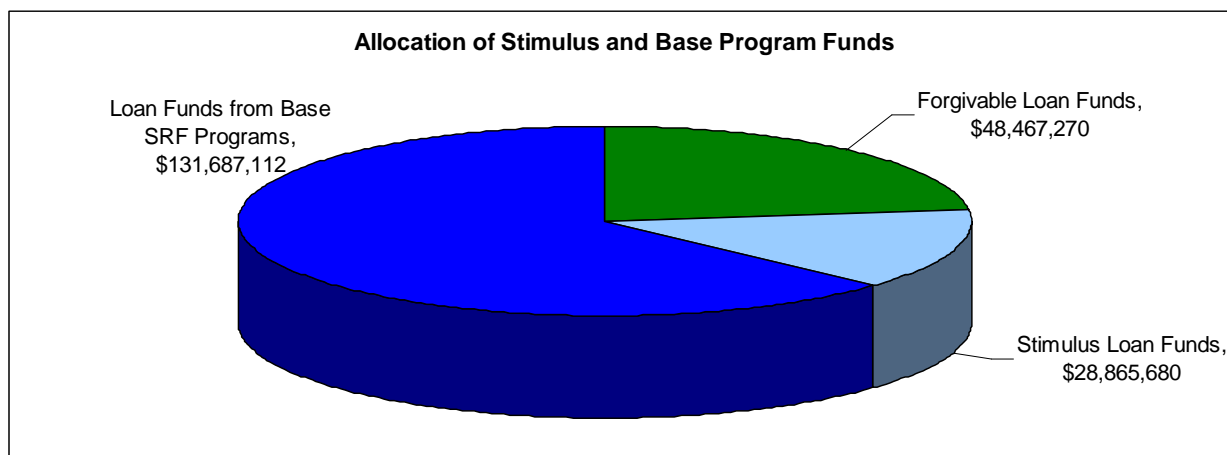
The draft supplemental Intended Use Plans include the following:

- The plan for allocating the \$77 million in stimulus funds, including forgivable loans and green projects.
- The method for determining which projects may receive stimulus funds. This includes project readiness and disadvantaged community criteria.
- Lists of "shovel-ready" projects that qualify for possible funding.
- An outline of loan requirements, certifications, and reporting needs.

Iowa's general strategies for meeting the goals of the ARRA are to:

- Determine which projects are “shovel-ready.” Projects must have construction permits and completed environmental reviews to be considered ready to proceed.
- Define and apply disadvantaged community criteria. Forgivable loans will be targeted to disadvantaged communities.
- Identify and incentivize eligible green projects. A portion of the loans for high priority green projects will be forgivable.

As shown in the chart below, Iowa will use the stimulus funds to leverage additional projects and economic activity. Iowa has already committed \$152.4 million to water and wastewater projects in fiscal year (FY) 2009. Additional funds from the base SRF programs will be used to supplement the ARRA funds. An allocation of ARRA funds of \$77 million could result in the completion of an estimated \$209 million worth of additional water, wastewater, and green infrastructure construction.



A key objective of the ARRA is transparency and accountability. This has been built into Iowa's SRF programs and is being continued with the stimulus funding process. Comments on these proposals from applicants and stakeholders were invited. A public hearing on the draft supplemental IUPs was held April 16, 2009, 10:00 a.m., at the DNR Water Supply office at 401 SW 7th Street, Des Moines, IA 50309. Thirty-two people attended, and oral comments were delivered by eight people. Attendance at the hearing was not required to provide comments; written comments could be submitted through April 23, 2009. Sixteen written comments were received. All public comments were considered in the final drafts submitted to the Environmental Protection Commission.

Once Iowa begins to allocate the ARRA funds, regular reporting will be required for both the State and the loan recipients. Iowa will enter all projects funded by ARRA monies into the CWSRF Benefits Reporting system and the DWSRF Project Tracking System on a regular basis. Reports will be available through the iowasrf.com website and the national.recovery.gov website.

**State of Iowa
Clean Water State Revolving Fund
Supplemental Intended Use Plan
Capitalization Grant Under the
American Recovery and Reinvestment Act of 2009**

I. Introduction

This Intended Use Plan (IUP) accompanies the State of Iowa's application for a \$53,040,000 capitalization grant for the Clean Water State Revolving Fund (CWSRF) program under the American Recovery and Reinvestment Act (ARRA) of 2009. It is considered a supplement to the previously approved IUP for 2009 that was provided to the U.S. Environmental Protection Agency (EPA).

II. CWSRF Program Goals

The State of Iowa is committed to using the capitalization grant for which it is applying to provide assistance to wastewater, nonpoint source, and green projects which will proceed quickly to construction, creating jobs and furthering the water quality objectives of the Clean Water Act. The State of Iowa's goal is to enter into binding commitments for projects which will proceed to construction or award of construction contracts by February 17, 2010.

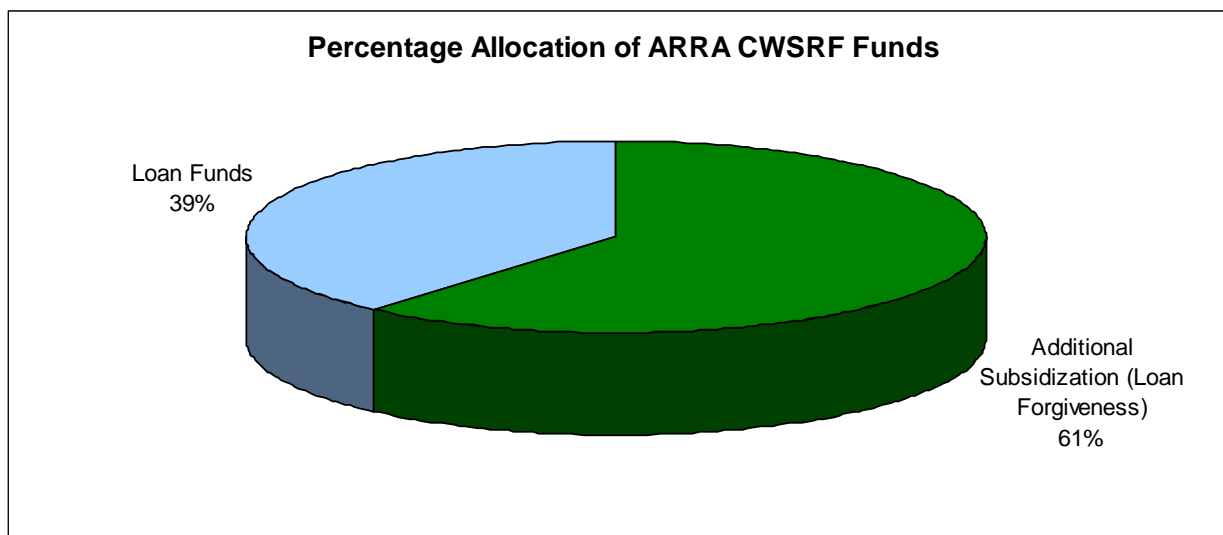
The State of Iowa recognizes that the goal of the ARRA is to expeditiously fund eligible projects that simultaneously will create jobs, promote economic recovery, and generate long-term benefits from infrastructure investment. In this grant, the State is being called upon to accomplish goals that may not previously have been priorities in its base SRF program. Some priorities and activities in the State's base program that may not practically be attainable within the timeframes associated with the ARRA will be pursued using funds made available through the base CWSRF program.

III. Sources and Uses of Funds

The State of Iowa is applying for a capitalization grant in the amount of \$53,040,000. This represents the amount that the State is eligible to receive under the State's allocation from the supplemental appropriation enacted under the ARRA. Note that the ARRA has waived the State match that the State is normally required to provide in order to receive a capitalization grant.

Table 1 summarizes the sources and uses of the capitalization grant for which the State is applying:

Table 1 Sources and Uses of Capitalization Grant	
Sources	Amount
Capitalization Grant	\$53,040,000
Uses	Amount
Program Loans	\$14,613,883
Project Assistance Subsidization	\$27,818,109
Green Project Reserve Loans	\$ 5,906,678
Green Project Assistance Subsidization	\$ 4,701,330
Administration (4 percent) reserved for future use	\$ 0
TOTAL USES	\$53,040,000



The State of Iowa intends to reserve the right to transfer up to 30% of the DWSRF grant between the Drinking Water and the Clean Water SRF loan funds in order to expeditiously use the funds. The State commits to manage and expend all funds thus transferred consistent with the requirements of the ARRA as outlined in the EPA guidance.

The Iowa Department of Natural Resources does not intend to take the 4% administrative set-aside authorized in ARRA. However, the DNR intends to reserve the capacity for the administrative set-aside to be taken out of future capitalization grants.

IV. Criteria and Methods for Distribution of Funds

A. Project List

The State of Iowa updates its Intended Use Plan quarterly in order to add projects and track the readiness of projects. As a result of this effort the CWSRF program has identified more than \$99 million in eligible projects that could be ready to proceed to construction within the time deadlines established by the ARRA. The attached project list includes projects that are on the approved FY 2009 IUP and which have been assessed through the CWSRF prioritization process. The projects were further identified by the dates estimated for construction readiness and loan closing.

B. Additional Subsidization

The ARRA requires that not less than 50% of assistance provided is in the form of additional subsidies. The State of Iowa, under the authority of Code of Iowa 455B.294, has authority to offer principal forgiveness in an amount up to 100% of the value of a loan made by the State's CWSRF Program.

Code of Iowa 455B.297 requires that the Director of the Iowa Department of Natural Resources, with approval by the Iowa Environmental Protection Commission, establish the process and criteria for determining the amount of additional subsidy on a project specific basis in consultation with the Director of the Iowa Finance Authority.

The following are the criteria Iowa will use:

Criteria	0 points	1 points	2 points	3 points	4 points
MHI as % of Statewide MHI (MHI/statewide MHI)	> 100%	90.01--100%	80.01--90%	70--80%	< 70%
Rates as a % of MHI (annual rate/MHI)	< 1%	1.00--1.33%	1.34 --1.66 %	1.67--2.00%	> 2%
Per capita debt of the system	< \$500	\$501--\$1,000	\$1,001--\$1,500	\$1,501--\$2,000	> \$2,000
Unemployment	< 5%	5.01--6.00%	6.01--7.00%	7.01%--8.00%	> 8%

The MHI data was obtained from the 2000 U.S. Census. Unemployment data is February 2009 Iowa Local Labor Force Data from Iowa Workforce Development for the county in which the project is planned. Rate and system debt information was provided by applicants and is subject to verification before loan agreements will be finalized.

Using this scoring system, the percent of loan forgiveness is proposed to be allocated as follows:

Clean Water SRF		
Points	% loan forgiveness	# of projects
0-3	0	12
4-7	20%	17
8-11	30%	16
12+	40%	7

Loan recipients will have two loan agreements, one for the forgivable portion and one for the remaining amount. The amount of loan forgiveness listed on the supplemental IUP is subject to change based on the final eligible project costs and the availability of funds. A cap of \$2 million in loan forgiveness per project will be applied in order to spread the benefits of stimulus funds to as many communities as possible.

The attached project lists demonstrate that at least 50% of the available funding for projects will be provided via principal forgiveness. Any subsequent revision to this project list will likewise demonstrate that at least 50% of the available funding for projects will be provide via principal forgiveness.

The applicants will be notified after final approval of the supplemental IUP. If these applicants cannot achieve the milestone of being under contract or under construction by February 17, 2010, they may be bypassed in favor of other projects that are ready to proceed by that date.

In addition to the principal forgiveness provided to disadvantaged communities, a portion of the funds for the green reserve will also be provided as forgivable loans. The loan forgiveness for green projects is not based on disadvantaged status.

C. Green Infrastructure

The ARRA requires that, to the extent there are sufficient eligible project applications, not less than 20% of the funds provided for projects must be used for water or energy efficiency, green infrastructure, or other environmentally innovative activities. The attached CWSRF green project list shows that 20% of the total assistance amount of \$53,040,000 is for projects or portions of projects meeting one or more of the specific objectives required by this provision.

The projects are listed on the basis of preliminary applications. Some of the projects are “categorically” eligible based on EPA guidance. The others will require a “business case” in order to determine eligibility. Further review will be done before funding is committed to ensure that the projects are eligible under the green reserve criteria, to complete environmental assessments, and to determine the final loan and loan forgiveness amounts.

Only those portions of the listed projects that meet green eligibility will be provided SRF loan funds and loan forgiveness and reported as part of the 20% green reserve. The green components of wastewater infrastructure projects proposed for ARRA funding currently are not counted in the 20% allocated for the green reserve. These green components will be reported for the green reserve but will not be funded separately.

The State of Iowa made a timely and concerted solicitation for green reserve projects in order to include specific projects in this IUP. Solicitation efforts included a public announcement of the availability of funds and targeted discussions with associations and other groups involved in green infrastructure, water or energy efficiency improvements and other environmentally innovative activities. A “call for green projects” was issued on February 25, 2009. Two hundred possible project ideas were received in early March. On March 18, an application form was issued with a deadline of March 27. The 120 applications received were evaluated for eligibility and ranked for priority based on the following criteria:

Criterion	Available Points
The project clearly advances the objectives in one or more categories of the green reserve of the ARRA, as outlined in the final EPA guidance dated March 2, 2009.	1-3 points
The project can be designed, reviewed, permitted (if needed), and under contract or under construction by February 2010.	1-3 points
The project demonstrates significant water or energy savings or other water quality benefits.	1-3 points

The projects to be funded include:

- Water Efficiency: Water efficient fixtures, water meters, and effluent reuse.
- Energy Efficiency: High efficiency pumps, variable frequency drives, fine bubble aeration, and a wind turbine.
- Green Infrastructure: Pervious paving, rain gardens, bioretention cells, a green roof, street trees, nitrate removal wetland pilot project, and stream restoration.
- Environmentally Innovative: decentralized wastewater.

The applicants will be notified after final approval of the supplemental IUP. Additional information will be required in order to complete detailed project and environmental reviews.

D. Preference for Expeditious Activities

The ARRA requires priority be given to projects that will be ready to proceed to actual construction within 12 months of the date of enactment. In anticipation of compliance with this requirement, the State of Iowa has consulted with all potential assistance recipients with projects on the project priority list and made a determination as to which of these projects can be started and completed expeditiously. The estimated loan closing dates are included in the project priority lists. After receiving a capitalization grant, the State will provide ARRA assistance to projects who qualify for this preference.

In addition, ARRA section 1602 requires that “recipients shall give preference to activities that can be started and completed expeditiously, including a goal of using at least 50 percent of the funds for activities that can be initiated not later than 120 days after...enactment” of the Act. The State of Iowa intends to implement this preference requirement by selecting for first ARRA funding those projects that appear most likely to be able to start construction by June 17, 2009.

The goal of using 50% of the funds by June 17, 2009 has been made more difficult by the federal government’s delay in issuing guidance on Section 1605 of the ARRA, the “Buy American” provisions. The State of Iowa has been unable to approve bid documents until the specific requirements for complying with this section are provided.

Iowa’s SRF will assess the progress of the projects on the priority list by August 15, 2009. At that time, if ARRA funds are not fully allocated to “shovel-ready” projects, an IUP amendment may be prepared to add additional projects to the priority list.

E. Avoidance of Reallotment/Relationship to Base Program

In order to meet the requirements and deadlines of the ARRA for the expeditious and timely commitment and expenditure of funds, the State of Iowa will regularly review the data reported to EPA on the progress of assistance recipients under the statutory deadlines specified in this IUP to identify any issues with the timeliness of this progress. If such issues are identified, the State of Iowa intends to work with EPA to resolve such issues. The State will include conditions in its assistance agreements to ensure that assistance recipients make timely progress with respect to entering into contracts and/or construction. If a recipient fails to maintain progress with these conditions, they will receive funding from other CWSRF monies, and no longer be eligible for loan forgiveness, so that ARRA funding can be provided for a project that is ready to proceed.

The State understands that the U.S. Environmental Protection Agency may deobligate grant funds from States that fail to meet requirements on use of ARRA funds. However, if the State is eligible for additional funds made available by a reallotment of ARRA funds, the State will provide EPA with a list of projects from its project priority list that are prepared to proceed to construction within 120 days of reallotment.

F. Loan Terms and Fees

A portion of the loan will be forgivable. For the remaining loan portion, the Iowa CWSRF will offer the following loan terms:

- Standard Interest Rate = 3%. The same rate will be offered to loans in the ongoing program.
- Repayment Term: Up to 30 years based on average useful life of project.
- Loan Origination Fee: 1%.
- Servicing Fee: 0.25% annual servicing fee on outstanding principal.

V. Public Review and Comment

In compliance with the requirement in CWA section 606(c) to provide for public review and comment, a public meeting to allow input to Iowa's Supplemental Intended Use Plan Capitalization Grant Under the American Recovery and Reinvestment Act of 2009 was held April 16, 2009, 10:00 a.m., at the DNR Water Supply office, 401 SW 7th Street, Suite M, Des Moines. On March 10, 2009, this meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, US EPA Region 7 and other groups which might have an interest. Notice of this meeting was published in the Des Moines Register, a statewide newspaper, on March 20, 2009. The public comment period was open until April 23, 2009. All information has been posted at www.iowasrf.com.

VI. Assurances

The Department agrees to comply with the Federal program requirements as outlined in the Operating Agreement between EPA and the State of Iowa as amended in April 2007.

Clean Water State Revolving Fund Project List for Additional Subsidization Under the ARRA														
Applicant	NPDES Permit No.	CWSRF No	Estimated Loan Closing Date	Current Request	Loan Dollars		Loan Forgiveness		County	Points				TOTAL POINTS
					Base SRF	Stimulus	Amount	Percent		% of statew ide MHI	Rates as % of MHI	Per Capita Debt	Unemplo yment Rate	
Elkader	2223001	1920391 01	6/1/09	\$ 5,500,000	\$ 3,500,000		\$ 2,000,000	Cap of \$2 million	Clayton	2	4	4	4	14
ADLM (Iconium)	Unsewered	1920362 01	9/1/09	\$2,372,000	\$ 1,423,200		\$ 948,800	40%	Appanoose	3	3	4	3	13
Baxter	5003001	1920395 01	8/1/09	\$ 4,150,000	\$ 2,490,000		\$ 1,660,000	40%	Jasper	1	4	4	4	13
Maharishi Vedic	5100302	1920357 01	7/1/09	\$ 900,000	\$ 540,000		\$ 360,000	40%	Jefferson	2	4	4	3	13
Milton	8954001	1920303 01	8/1/09	\$ 488,000	\$ 292,800		\$ 195,200	40%	Van Buren	4	4	1	4	13
Hedrick	5432001	1920446 01	8/1/09	\$ 5,165,582	\$ 3,165,582		\$ 2,000,000	Cap of \$2 million	Keokuk	3	1	4	4	12
Sac City	8150001	1920388 01	9/1/09	\$ 5,812,000	\$ 3,812,000		\$ 2,000,000	Cap of \$2 million	Sac	3	4	4	1	12
Knoxville	6342001	1920428 01	7/1/09	\$ 3,538,030	\$ 2,476,621		\$ 1,061,409	30%	Marion	2	4	3	2	11
Leon	2742001	1920419 01	7/1/09	\$ 6,282,200	\$ 4,397,540		\$ 1,884,660	30%	Decatur	4	4	2	1	11
Sutherland	7177001	1920431 01	8/1/09	\$ 1,287,000	\$ 900,900		\$ 386,100	30%	O'Brien	2	4	4	1	11
Anamosa	5307001	1920355 02	6/1/09	\$ 1,919,000	\$ 1,343,300		\$ 575,700	30%	Jones	2	4	1	3	10
Delhi	2817001	1920389 01	7/1/09	\$ 1,308,000	\$ 915,600		\$ 392,400	30%	Delaware	1	3	4	2	10
Elgin	3338001	1920373 01	9/1/09	\$ 905,000	\$ 633,500		\$ 271,500	30%	Fayette	3	1	3	3	10
Garwin	8637001	1920435 01	8/1/09	\$ 911,424	\$ 637,997		\$ 273,427	30%	Tama	1	3	3	3	10
Keokuk	5640001	1920365 01	7/1/09	\$ 5,555,000	\$0	\$ 3,888,500	\$ 1,666,500	30%	Lee	2	0	4	4	10
RUSS (Lake Trio)	9200300	1920380 01	8/1/09	\$ 329,000	\$ 230,300		\$ 98,700	30%	Washington	1	4	4	1	10
Toledo	8676001	1920291 01	6/1/09	\$ 3,400,000	\$ 2,380,000		\$ 1,020,000	30%	Tama	2	4	1	3	10
Ottumwa	9083001	1920412 01	8/1/09	\$10,069,700	\$ 2,235,191	\$ 5,834,509	\$ 2,000,000	Cap of \$2 million	Wapello	3	3	1	2	9
Emmetsburg	7428002	1920376 01	6/1/09	\$ 1,389,000	\$ 972,300		\$ 416,700	30%	Palo Alto	3	2	1	2	8
Garner	4130002	1920405 01	9/1/09	\$ 3,333,000	\$ 2,333,100		\$ 999,900	30%	Hancock	0	2	2	4	8
Hancock	7833001	1920350 01	7/1/09	\$ 221,000	\$ 154,700		\$ 66,300	30%	Pottawattamie	2	3	3	0	8
Rock Valley	8482001	1920374 01	9/1/09	\$ 6,156,000	\$ 4,309,200		\$ 1,846,800	30%	Sioux	1	3	4	0	8
St. Charles	6161001	1920390 01	8/1/09	\$ 575,000	\$ 402,500		\$ 172,500	30%	Madison	0	2	3	3	8
Spencer	2171004	1920427 01	8/1/09	\$ 2,000,000	\$ 1,600,000		\$ 400,000	20%	Clay	2	3	1	1	7
Stockton	7063001	1920393 01	7/1/09	\$ 244,000	\$ 195,200		\$ 48,800	20%	Muscatine	2	1	1	3	7
Urbana		1920413 01	6/1/09	\$ 5,500,000	\$ 4,400,000		\$ 1,100,000	20%	Benton	0	1	4	2	7
Ankeny	7709001	1920439 01	9/1/09	\$ 6,113,530	\$0	\$ 4,890,824	\$ 1,222,706	20%	Polk	0	1	4	1	6
Chariton	5903001	1920451 01	8/1/09	\$ 994,850	\$ 795,880		\$ 198,970	20%	Lucas	3	2	0	1	6
Macedonia		1920416 01	7/1/09	\$ 468,663	\$ 374,930		\$ 93,733	20%	Pottawattamie	2	0	4	0	6
Princeton	8273001	1920370 01	6/1/09	\$ 1,647,000	\$ 1,317,600		\$ 329,400	20%	Scott	0	3	2	1	6

Donahue	8227001	1920371 01	7/1/09	\$ 1,106,000	\$ 884,800		\$ 221,200	20%	Scott	0	0	4	1	5
Lidderdale	1453001	1920384 01	6/1/09	\$ 186,000	\$ 148,800		\$ 37,200	20%	Carroll	3	1	1	0	5
Low Moor	2348001	1920400 01	9/1/09	\$ 612,000	\$ 489,600		\$ 122,400	20%	Clinton	0	1	2	2	5
New Hartford	1271001	1920402 01	6/1/09	\$ 354,000	\$ 283,200		\$ 70,800	20%	Butler	2	1	1	1	5
Osage	6663001		7/1/09	\$ 596,000	\$ 476,800		\$ 119,200	20%	Mitchell	3	1	0	1	5
Pleasantville	6377001	1920440 01	6/1/09	\$ 374,710	\$ 299,768		\$ 74,942	20%	Marion	0	2	1	2	5
Stuart	0180001	1920383 01	8/1/09	\$ 2,800,000	\$ 2,240,000		\$ 560,000	20%	Adair/Guthrie	2	1	0	2	5
Dubuque	3126001	1920421 01	9/1/09	\$ 3,587,066	\$ 2,869,653		\$ 717,413	20%	Dubuque	1	0	1	2	4
Little Rock	6060001	1920420 01	6/1/09	\$ 587,000	\$ 469,600		\$ 117,400	20%	Lyon	2	0	2	0	4
Sioux Rapids	1175001	1920429 01	8/1/09	\$ 436,746	\$ 349,397		\$ 87,349	20%	Buena Vista	2	1	1	0	4
				\$99,173,501	\$56,741,559	\$14,613,833	\$27,818,109							

Clean Water State Revolving Fund Green Reserve Project List										
Applicant	Green Category	Total Requested	Loan Dollars		Loan Forgiveness		Project Description	Results	Score	Estimated Loan Closing Date
			Base SRF	Stimulus SRF	Amount	Percent				
Baxter	Green infrastructure	\$ 756,000	\$ 606,000		\$ 150,000	20%	Detention basin, infiltration basin, storm sewer improvements, rain gardens	Infiltrate and treat stormwater, reduce peak discharges to Skunk River	9	8/09
Cerro Gordo County	Environmentally innovative	\$ 315,595	\$ 252,977		\$ 62,618	20%	Decentralized wastewater solution for failing septic systems in Portland	Eliminate raw sewage from discharge into Winnebago River	9	8/09
Dubuque*	Water efficiency Energy efficiency	\$ 4,433,483	\$ 450,805	\$ 3,482,678	\$ 500,000	Cap of \$1 million (CW+DW)	Installation of automatic meter reading system with leak detection	6.9% currently not recorded by large meters, will save \$676,000 per year in water/sewer revenues. Save \$142,000 in meter reading costs, \$1.3 million total in lost water. Reduction in water loss also reduces energy and chemical use. Each one million gallons costs \$154 in electricity and \$191 in chemicals and sludge removal	9	7/09
Spencer*	Water efficiency	\$ 118,153	\$ 94,710		\$ 23,443	20%	Water conservation program -- toilet replacement for low to moderate income households	Replace 792 3.5 gallon/flush toilets with 1.6 gallon/flush models. Total savings per household of 30 gallons/day. System savings 8.7 million gallons per year or 175 million gallons over 20 years.	9	7/09
Dubuque	Green infrastructure	\$ 208,700	\$ 167,300		\$ 41,400	20%	Green alley pilot project -- use pervious pavement	Infiltrate and treat stormwater	8	12/09
Hedrick*	Energy efficiency	\$ 453,600	\$ 363,600		\$ 90,000	20%	Install variable frequency	100% reduction in electric	8	7/09

							drives on pumps and blowers at lift station, install reed bed sludge system	consumption for biosolids, 30% reduction due to VFDs		
Iowa City	Green infrastructure Water efficiency	\$ 342,690	\$ 274,696		\$ 67,994	20%	Water efficient fixtures, rain garden, green roof, bioswales, porous paving and bioretention cells at new East Side Recycling Center	50% reduction in water use and stormwater runoff	8	10/09
Rockwell City	Green infrastructure	\$ 111,530	\$ 89,401		\$ 22,129	20%	Pervious concrete parking lot next to new library and community center	Reduce surface runoff, filter pollutants in runoff, recharge groundwater, prevent flooding	8	7/09
Black Hawk Soil and Water Conservation District	Green infrastructure	\$ 16,800 (forgivable loan portion only)			\$ 16,800	20%	Construction of bioswales and infiltration trenches for parking lot and central plaza at University of Northern Iowa	Filter pollutants, divert water from storm sewers and infiltrate storm water, protecting Dry Run Creek	7	12/09
Council Bluffs	Green infrastructure	\$ 1,073,520	\$ 860,520		\$ 213,000	20%	Replace roadways in East Manawa with curbed porous roadways constructed on porous base with subdrain system	Filter surface runoff before it enters Lake Manawa, provide surface water source to maintain lake level	7	1/10
Decorah*	Energy efficiency	\$ 453,600	\$ 363,600		\$ 90,000	20%	Retrofit to treatment process - replace existing jet aeration system with fine bubble aeration	Reduce annual electrical usage of plant by 370,000 kWh and \$20,000	7	8/09
Dyersville*	Water efficiency Energy efficiency	\$ 1,392,048	\$ 1,116,048		\$ 276,000	20%	Install effluent water reuse system at wastewater treatment facility 2, dewater sludge, install diffused sludge aeration system to replace mechanical aerators, install variable frequency drives on digester aeration blowers, install covers on digesters, provide 2-year sludge storage to allow for composting, install geothermal HVAC system for sludge dewatering building, install variable speed controls on secondary aerators, provide automatic level control in secondary aeration tanks	Save estimated 2.6 million gallons of potable water per year , reduce diesel fuel consumption by 3,060 gallons per year, reduce electric usage by 140,667 kWh per year	7	12/09
Ely	Green infrastructure	\$ 352,966	\$ 282,933		\$ 70,033	20%	Green streets project on Hillcrest Street -- install properly sized inlets and mains, rain gardens, infiltration areas between curb and sidewalk	Manage stormwater from 16 acres of residential land, infiltrate stormwater	7	9/09
Iowa Association	Energy efficiency	\$ 779,041	\$ 624,501		\$ 154,540	20%	Conduct energy audits in	Estimated savings of 1,425,499	7	1/10

of Municipal Utilities*							municipal water and wastewater facilities, identify and install efficiency upgrades	kWh per year		
Maquoketa*	Energy efficiency	\$ 99,657	\$ 79,884		\$ 19,773	20%	Retrofit to treatment process - replace recirculation pumps with fine bubble aeration	Annual savings of 500,000 kWh or \$30,000	7	9/09
Newton*	Energy efficiency	\$ 665,280	\$ 533,280		\$ 132,000	20%	Retrofit to treatment process - replace existing jet aeration system with fine bubble aeration	Reduce annual electrical usage of plant by 1,200,000kWh and \$85,000	7	9/09
West Union	Green infrastructure	\$ 3,024,000		\$ 2,424,000	\$ 600,000	20%	Green street project in downtown business district -- bioretention, permeable paving, street trees	Zero surface runoff from streets and sidewalks for 2-year frequency storm. Protect water quality in Otter Creek, a coldwater trout stream	7	2/10
Boyden*	Energy efficiency	\$ 262,600	\$ 210,600		\$ 52,000	20%	Construction of new lift station to replace existing one, including onsite backup generation and replacement of force main	Reduce energy consumption by 10,000 kWh per year, eliminate SSOs	6	11/09
Cascade*	Energy efficiency	\$ 181,440	\$ 145,440		\$ 36,000	20%	Replace existing vacuum pumps in Polk Street lift station with more efficient submersible pumps	Noticeable reduction in kWh	6	8/09
Charles City	Green infrastructure	\$ 3,180,240	\$ 2,549,240		\$ 631,000	20%	Replace existing pavement with permeable pavement to reduce load on overburdened storm sewers	Infiltrate stormwater, eliminate surface runoff, remove metals and nutrients	6	2/10
Council Bluffs	Green infrastructure	\$ 2,217,600	\$ 1,777,600		\$ 440,000	20%	Restore Playland Creek by using creek and stormwater to restore and create emergent wetlands and shallow water habitats in Playland Park	Reduce volume and velocity in creek in order to make channel realignment, bank stabilization, and wetland restoration feasible. Will result in water quality improvement, restoration of biological function of creek, reduce sediment and bank loss, and provide educational opportunity	6	1/10
Ely	Green infrastructure	\$ 106,344	\$ 85,244		\$ 21,100	20%	Runoff management facilities for Fuhrmeister and State Streets -- infiltration strips, runoff swales, and culverts	Infiltrate stormwater, reduce sediment to Hoosier Creek	6	9/09
Hudson*	Energy efficiency	\$ 247,450	\$ 198,450		\$ 49,000	20%	Install variable frequency drives	30% energy savings	6	6/09
Maharishi Vedic City	Green infrastructure	\$ 635,040	\$ 509,040		\$ 126,000	20%	Water gardens and bioretention cells in boulevard of roadway, bioretention cells, filter strips and riparian buffers	Reduce surface runoff and erosion	6	7/09

Pocahontas County	Green infrastructure	\$ 1,926,288	\$ 1,544,288		\$ 382,000	20%	Drainage District 65 --Pilot project part of of Iowa Drainage and Wetland Landscape Systems Initiative - upgrade drainage system to enable discharge to constructed wetland	Total surface runoff from 2,500 acres of intensively farmed cropland will be reduced. Phosphorus transport reduced by 50%. Nitrogen downstream transport reduced by 50%.	6	12/09
Sheffield*	Energy efficiency	\$ 146,160	\$ 117,160		\$ 29,000	20%	Install wind turbine at wastewater treatment facility to power aeration and mixing equipment	Generate 12,000-15,000 kWh per month at cost of 1-2 cents/kWh. Save \$4,000-\$5,000 per year	6	10/09
Boone*	Energy efficiency	\$ 1,013,040	\$ 812,040		\$ 201,000	20%	Replace three lift stations, using more efficient pumps, replace and upsize sewer pipe	20% reduction in power costs, prevent sewer backups and SSOs	5	11/09
Brooklyn*	Energy efficiency	\$ 83,160	\$ 66,660		\$ 16,500	20%	Upgrade equipment in South Mills Street pumping station	Reduce energy use by 10-15% for annual savings of \$610	5	9/09
Council Bluffs*	Energy efficiency	\$ 463,680	\$ 371,680		\$ 92,000	20%	Recirculation pump station, control upgrade in wastewater treatment facility	22 kW demand reduction while increasing pumping capacity, improved control and efficiency of biological system	5	1/10
Dakota City*	Energy efficiency	\$ 302,400	\$ 242,400		\$ 60,000	20%	Efficient equipment at wastewater treatment facility	30% reduction in energy costs	5	2/10
Salix*	Energy efficiency	\$ 181,440	\$ 145,440		\$ 36,000	20%	Replace 2 lift stations that use air compressors	Reduce electric consumption by 50%, or 20,400 kWh per year	5	11/09
		\$ 25,543,545	\$14,935,537	\$ 5,906,678	\$ 4,701,330					

* Indicates projects for which a “business case” will be required before funding can be committed. EPA guidance will be provided on the preparation of a business case. The purpose of the business case will be to demonstrate and document the project’s identifiable and substantial benefits qualifying for the green reserve.

**State of Iowa
Drinking Water State Revolving Fund
Supplemental Intended Use Plan
Capitalization Grant Under the
American Recovery and Reinvestment Act of 2009**

I. Introduction

This Intended Use Plan (IUP) accompanies the State of Iowa's application for a \$24,293,000 capitalization grant for its DWSRF under the American Recovery and Reinvestment Act (ARRA) of 2009. It is considered a supplement to the previously approved IUP for 2009 that was provided to the U.S. Environmental Protection Agency (EPA).

II. DWSRF Program Goals

The State of Iowa is committed to using the capitalization grant for which it is applying to provide assistance to water systems for capital improvement projects and green projects which will proceed quickly to construction, creating jobs and furthering the public health protection objectives of the Safe Drinking Water Act. The State of Iowa's goal is to enter into binding commitments for projects which will proceed to construction or award of construction contracts by February 17, 2010. The State intends to award all assistance available under this capitalization grant in full conformance with the deadlines established under the ARRA and the terms and conditions of the capitalization grant award.

The State of Iowa recognizes that the goal of the ARRA is to expeditiously fund eligible projects that simultaneously will create jobs, promote economic recovery, and generate long-term benefits from infrastructure investment. In this grant, the State is being called upon to accomplish goals that may not previously have been priorities in its base SRF program. Some priorities and activities in the State's base program that may not practically be attainable within the timeframes associated with the ARRA will be pursued using funds made available through the base DWSRF program.

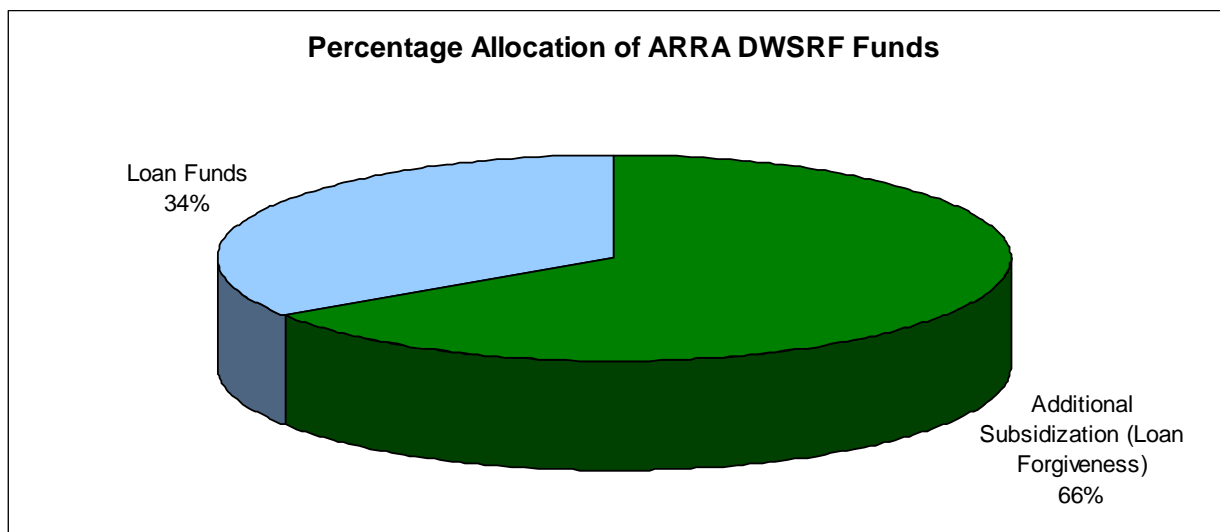
III. Sources and Uses of Funds

The State of Iowa is applying for a capitalization grant in the amount of \$24,293,000. This represents the amount that EPA Region 7 informed the State it is eligible to receive under the State's allocation from the supplemental appropriation enacted under the ARRA. Note that the ARRA has waived the State match that the State is normally required to provide in order to receive a capitalization grant.

Table 1 summarizes the sources and uses of the capitalization grant for which the State is applying:

Table 1 Sources and Uses of Capitalization Grant	
Sources	Amount
Capitalization Grant	\$24,293,000
Uses	Amount
Program Loans	\$ 6,286,222
Project Assistance Subsidization	\$13,148,178
Green Project Reserve Loans	\$ 2,058,947
Green Project Assistance Subsidization	\$ 2,799,653
Administration (4 percent) reserved for future use	\$ 0

Small System Technical Assistance (2 percent) reserved for future use	\$ 0
State Drinking Water Program Management (10 percent) reserved for future use	\$ 0
TOTAL USES	\$24,293,000



The State of Iowa intends to reserve the right to transfer up to 30% of the DWSRF grant between the Drinking Water and the Clean Water SRF loan funds in order to expeditiously use the funds. The State commits to manage and expend all funds thus transferred consistent with the requirements of the ARRA as outlined in the EPA guidance.

The Iowa Department of Natural Resources does not intend to take any of the set-asides authorized in ARRA. However, the DNR intends to reserve the capacity for the following three set-asides to be taken out of future capitalization grants:

Small System Technical Assistance Set-aside: Two percent of the capitalization grant will be reserved for future use.

State Program Management Set-aside: Ten percent of the capitalization grant will be reserved for future use.

DWSRF Administrative Set-aside: Four percent of the capitalization grant will be reserved for future use.

IV. Criteria and Methods for Distribution of Funds

A. Project List

The State of Iowa updates its Intended Use Plan quarterly in order to add projects and track the readiness of projects. As a result of this effort the DWSRF program has identified \$63.9 million in eligible projects that could be ready to proceed to construction within the time deadlines established by the ARRA. The attached project list includes projects that are on the approved FY 2009 IUP and which have been assessed through the DWSRF prioritization process. The

projects were further identified by the dates estimated for construction readiness and loan closing.

B. Additional Subsidization

The ARRA requires that not less than 50% of assistance provided is in the form of additional subsidies. The State of Iowa, under the authority of Code of Iowa 455B.294, has authority to offer principal forgiveness and negative interest loans in an amount up to 100% of the value of a loan made by the State's DWSRF Program.

Code of Iowa 455B.297 requires that the Director of the Iowa Department of Natural Resources, with approval by the Iowa Environmental Protection Commission, establish the process and criteria for determining the amount of additional subsidy on a project specific basis in consultation with the Director of the State of Iowa Finance Authority.

The following are the criteria Iowa will use:

Criteria	0 points	1 points	2 points	3 points	4 points
MHI as % of Statewide MHI (MHI/statewide MHI)	> 100%	90.01--100%	80.01--90%	70--80%	< 70%
Rates as a % of MHI (annual rate/MHI)	< 1%	1.00--1.33%	1.34 --1.66 %	1.67--2.00%	> 2%
Per capita debt of the system	< \$500	\$501--\$1,000	\$1,001--\$1,500	\$1,501--\$2,000	> \$2,000
Unemployment	< 5%	5.01--6.00%	6.01--7.00%	7.01%--8.00%	> 8%

The MHI data was obtained from the 2000 U.S. Census. Unemployment data is February 2009 Iowa Local Labor Force Data from Iowa Workforce Development for the county in which the project is planned. Rate and system debt information was provided by applicants and is subject to verification before loan agreements will be finalized.

Using this scoring system, the percent of loan forgiveness is proposed to be allocated as follows:

Drinking Water SRF		
Points	% loan forgiveness	# of projects
0-3	0	4
4-7	30%	7
8-10	40%	8
11+	50%	5

Loan recipients will have two loan agreements, one for the forgivable portion and one for the remaining amount. The amount of loan forgiveness listed on the supplemental IUP is subject to change based on the final eligible project costs and the availability of funds. A cap of \$2 million in loan forgiveness per project will be applied in order to spread the benefits of stimulus funds to as many communities as possible.

The attached project lists demonstrate that at least 50% of the available funding for projects will be provided via principal forgiveness. Any subsequent revision to this project list will likewise demonstrate that at least 50% of the available funding for projects will be provide via principal forgiveness.

The applicants will be notified after final approval of the supplemental IUP. If these applicants cannot achieve the milestone of being under contract or under construction by February 17, 2010, they may be bypassed in favor of other projects that are ready to proceed by that date.

In addition to the principal forgiveness provided to disadvantaged communities, a portion of the funds for the “green” reserve will also be provided as forgivable loans. The loan forgiveness for green projects is not based on disadvantaged status.

C. Green Infrastructure

The ARRA requires that, to the extent there are sufficient eligible project applications, not less than 20% of the funds provided for projects must be used for water or energy efficiency, green infrastructure, or other environmentally innovative activities. The attached DWSRF green project list shows that 20% of the total assistance amount of \$24,293,000 is for projects or portions of projects meeting one or more of the specific objectives required by this provision.

The projects are listed on the basis of preliminary applications. The water efficiency projects involving water meter installation are “categorically” eligible based on EPA guidance. The others will require a “business case” in order to determine eligibility. Further review will be done before funding is committed to ensure that the projects are eligible under the green reserve criteria, to complete environmental assessments, and to determine the final loan and loan forgiveness amounts.

Only those portions of the listed projects that meet green eligibility will be provided SRF loan funds and loan forgiveness and reported as part of the 20% green reserve. The green components of drinking water infrastructure projects proposed for ARRA funding currently are not counted in the 20% allocated for the green reserve. These green components will be reported for the green reserve but will not be funded separately.

The State of Iowa made a timely and concerted solicitation for green reserve projects in order to include specific projects in this IUP. Solicitation efforts included a public announcement of the availability of funds and targeted discussions with associations and other groups involved in green infrastructure, water or energy efficiency improvements and other environmentally innovative activities. A “call for green projects” was issued on February 25, 2009. Two hundred possible project ideas were received in early March. On March 18, an application form was issued with a deadline of March 27. The 120 applications received were evaluated for eligibility and ranked for priority based on the following criteria:

Criterion	Available Points
The project clearly advances the objectives in one or more categories of the green reserve of the ARRA, as outlined in the final EPA guidance dated March 2, 2009.	1-3 points
The project can be designed, reviewed, permitted (if needed), and under contract or under construction by February 2010.	1-3 points
The project demonstrates significant water or energy savings.	1-3 points

The projects to be funded include:

- Water Efficiency: Water meters and leak detection equipment.
- Energy Efficiency: High efficiency pumps and variable frequency drives.

The applicants will be notified after final approval of the supplemental IUP. Additional information will be required in order to complete detailed project and environmental reviews. An additional requirement for public water supplies to borrow through the Drinking Water SRF is the completion of a viability self-assessment.

D. Preference for Expeditious Activities

The ARRA requires priority be given to projects that will be ready to proceed to actual construction within 12 months of the date of enactment. In anticipation of compliance with this requirement, the State of Iowa has consulted with all potential assistance recipients with projects on the project priority list and made a determination as to which of these projects can be started and completed expeditiously. The estimated loan closing dates are included in the project priority lists. After receiving a capitalization grant, the State will provide ARRA assistance to projects who qualify for this preference.

In addition, ARRA section 1602 requires that “recipients shall give preference to activities that can be started and completed expeditiously, including a goal of using at least 50 percent of the funds for activities that can be initiated not later than 120 days after...enactment” of the Act. The State of Iowa intends to implement this preference requirement by selecting for first ARRA funding those projects that appear most likely to be able to start construction by June 17, 2009.

The goal of using 50% of the funds by June 17, 2009 has been made more difficult by the federal government’s delay in issuing guidance on Section 1605 of the ARRA, the “Buy American” provisions. The State of Iowa has been unable to approve bid documents until the specific requirements for complying with this section are provided.

Iowa’s SRF will assess the progress of the projects on the priority list by August 15, 2009. At that time, if ARRA funds are not fully allocated to “shovel-ready” projects, an IUP amendment may be prepared to add additional projects to the priority list.

E. Avoidance of Reallotment/Relationship to Base Program

In order to meet the requirements and deadlines of the ARRA for the expeditious and timely commitment and expenditure of funds, the State of Iowa will regularly review the data reported to EPA on the progress of assistance recipients under the statutory deadlines specified in this IUP to identify any issues with the timeliness of this progress. If such issues are identified, the State of Iowa intends to work with EPA to resolve such issues. The State will include conditions in its assistance agreements to ensure that assistant recipients make timely progress with respect to entering into contracts and/or construction. If a recipient fails to maintain progress with these conditions, they will receive funding from other DWSRF monies, and no longer be eligible for loan forgiveness, so that ARRA funding can be provided for a project that is ready to proceed.

The State understands that the U.S. Environmental Protection Agency may deobligate grant funds from States that fail to meet requirements on use of ARRA funds. However, if the State is eligible for additional funds made available by a reallotment of ARRA funds, the State will

provide EPA with a list of projects from its project priority that are prepared to proceed to construction within 120 days of reallocation.

F. Loan Terms and Fees

The Iowa DWSRF Program will offer the following loan terms:

- Standard Interest Rate = 3%. The same rate will be offered to loans in the ongoing program.
- Repayment Term: 20 years. For disadvantaged communities, the term is up to 30 years based on average useful life of project.
- Loan Origination Fee: 1%.
- Servicing Fee: 0.25% annual servicing fee on outstanding principal.

V. Public Review and Comment

In compliance with the requirement in SDWA sec. 1452(b)(1) to provide for public review and comment, a public meeting to allow input to Iowa's Supplemental Intended Use Plan Capitalization Grant Under the American Recovery and Reinvestment Act of 2009 was held April 16, 2009, 10:00 a.m., at the DNR Water Supply office, 401 SW 7th Street, Suite M, Des Moines. On March 10, 2009, this meeting was announced in a notice provided to stakeholder organizations representing city officials, consulting engineers, county governments, councils of government, area planning agencies, US EPA Region 7 and other groups which might have an interest. Notice of this meeting was published in the Des Moines Register, a statewide newspaper, on March 20, 2009. The public comment period was open until April 23, 2009. All information has been posted at www.iowasrf.com.

VI. Assurances

The Department agrees to comply with the Federal program requirements as outlined in the Operating Agreement between EPA and the State of Iowa as amended in April 2007.

Drinking Water State Revolving Fund Project List for Additional Subsidization Under the ARRA														
Applicant	DWSRF No.	Estimated Loan Closing Date	Current Request	Loan Dollars		Loan Forgiveness		County	Population	Points				TOTAL POINTS
				Base SRF	Stimulus	Amount	Percent			% of state wide MHI	Rate s as % of MHI	Per Capit a Debt	Unemp loyme nt Rate	
Floyd	FS-34-08-DWSRF-031	6/1/09	\$ 344,000	\$ 172,000		\$ 172,000	50%	Floyd	361	2	3	3	4	12
Fort Madison	FS-56-07-DWSRF-017	6/1/09	\$11,778,000	\$ 9,778,000		\$ 2,000,000	Cap of \$2 million	Lee	11,476	2	2	4	4	12
Keosauqua	FS-89-08-DWSRF-015	10/1/09	\$ 228,000	\$ 114,000		\$ 114,000	50%	Van Buren	1,066	3	4	1	4	12
Eldon	FS-90-08-DWSRF-033	8/1/09	\$ 393,000	\$ 196,500		\$ 196,500	50%	Wapello	998	4	4	0	3	11
Rathbun Reg. Water Assn	FS-04-08-DWSRF-017	6/1/09	\$25,000,000	\$16,713,778	\$ 6,286,222	\$ 2,000,000	Cap of \$2 million	various	60,000	3	4	2	2	11
DeSoto	FS-25-06-DWSRF-017	6/1/09	\$1,080,000	\$648,000		\$ 432,000	40%	Dallas	1,009	4	4	2	0	10
Hartley	FS-71-07-DWSRF-019	6/1/09	\$ 2,600,000	\$ 1,560,000		\$ 1,040,000	40%	O'Brien	1,733	3	3	3	1	10
Hubbard	FS-42-08-DWSRF-037	6/1/09	\$ 963,000	\$ 577,800		\$ 385,200	40%	Hardin	885	2	3	4	1	10
Stratford	FS-40-08-DWSRF-028	6/1/09	\$ 980,000	\$ 588,000		\$ 392,000	40%	Hamilton	746	3	4	2	1	10
Wyoming	FS-53-08-DWSRF-030	6/1/09	\$ 730,000	\$ 438,000		\$ 292,000	40%	Jones	626	2	4	1	3	10
Lamoni	FS-27-08-DWSRF-029	6/1/09	\$ 320,000	\$ 192,000		\$ 128,000	40%	Decatur	2,444	4	4	0	1	9
Salix	FS-97-09-DWSRF-007	9/1/09	\$ 355,000	\$ 213,000		\$ 142,000	40%	Woodbury	370	4	4	1	0	9
Laurens	FS-76-09-DWSRF-011	6/1/09	\$ 1,076,000	\$ 645,600		\$ 430,400	40%	Pocahontas	1,476	2	4	2	0	8
Keokuk	FS-56-09-DWSRF-008	8/1/09	\$ 5,901,000	\$ 4,130,700		\$ 1,770,300	30%	Lee	11,427	2		1	4	7
Renwick	FS-46-08-DWSRF-036	9/1/09	\$ 871,000	\$ 609,700		\$ 261,300	30%	Humboldt	306	2		4	1	7
Eldora	FS-42-08-DWSRF-004	8/1/09	\$ 300,000	\$ 210,000		\$ 90,000	30%	Hardin	3,035	2	3	0	1	6
Burlington	FS-29-09-DWSRF-005	6/1/09	\$ 2,584,000	\$ 1,808,800		\$ 775,200	30%	Des Moines	26,839	2	0	0	3	5
Crawfordsville	FS-92-08-DWSRF-026	8/1/09	\$ 404,000	\$ 282,800		\$ 121,200	30%	Washington	295	1	1	2	1	5
Sergeant Bluff	FS-97-09-DWSRF-025	12/1/09	\$ 5,660,000	\$ 3,962,000		\$ 1,698,000	30%	Woodbury	3,321	0	1	4	0	5
Tama	FS-86-09-DWSRF-012	8/1/09	\$ 2,360,260	\$ 1,652,182		\$ 708,078	30%	Tama	2,731	1	0	1	3	5
			\$63,927,260	\$44,492,860	\$ 6,286,222	\$13,148,178								

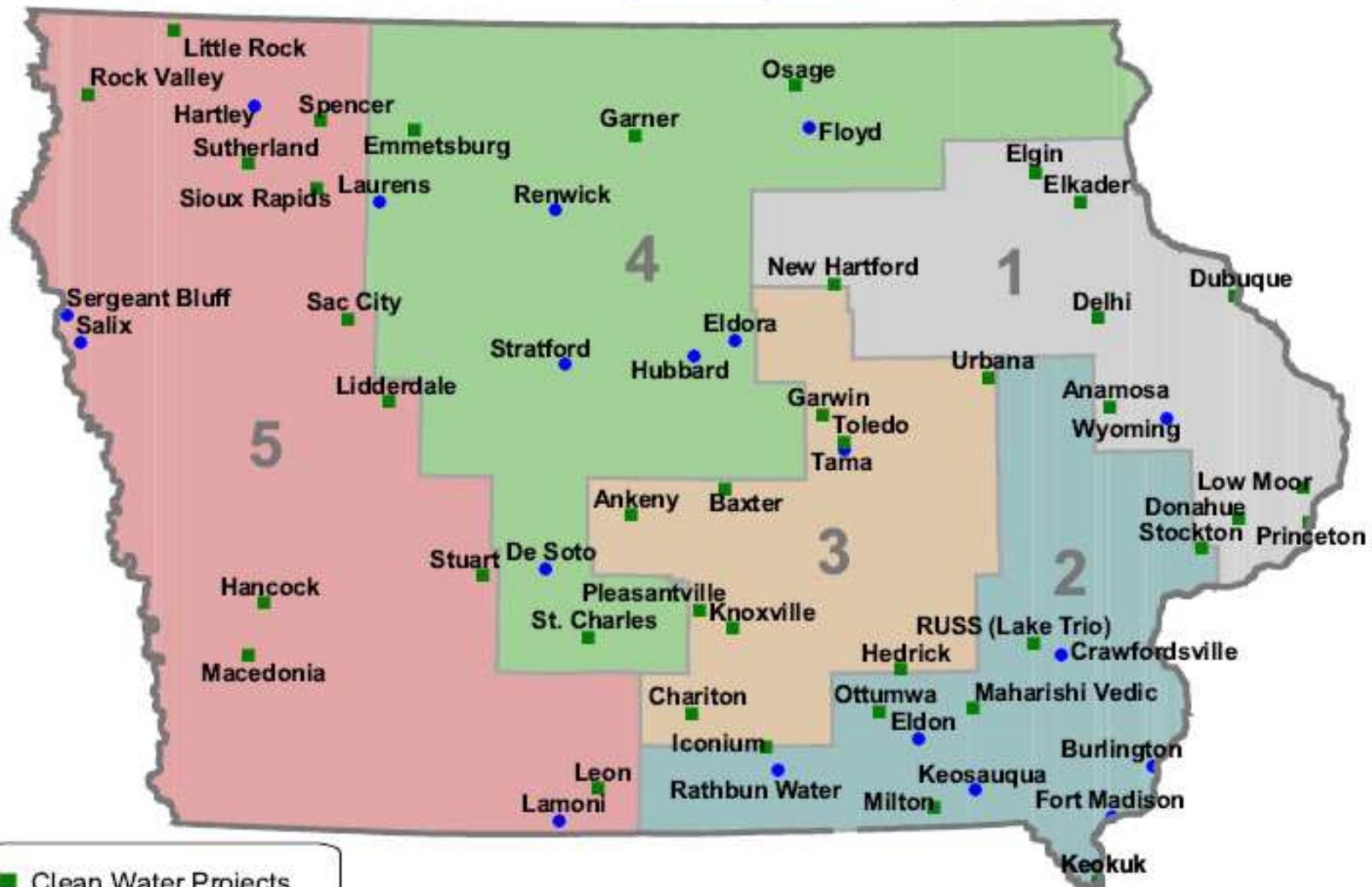
Drinking Water State Revolving Fund Green Reserve Project List										
Applicant	Green Category	Total Requested	Loan Dollars		Loan Forgiveness		Project Description	Results	Score	Estimated Loan Closing Date
			Base SRF	Stimulus SRF	Amount	Percent				
Muscatine*	Energy efficiency	\$ 493,920	\$ 395,136		\$ 98,784	20%	Installation of variable frequency drives at 8 wells	30-70% increase in water pumped per kWh. Savings of 100,000-250,000 kWh per year at each location	9	6/09
Baxter*	Energy efficiency	\$ 95,000	\$ 76,000		\$ 19,000	20%	Replace existing high service pumps with smaller pumps for	Energy savings of 20-30% per year	8	8/09

							domestic service and maintaining system pressures			
Central Iowa Water Association	Water efficiency	\$ 3,022,810	\$ 2,418,248		\$ 604,562	20%	Installation of automatic meter reading system	Current water loss is 19%. Project would reduce water loss by 10%, save 286 million gallons and \$386,945 per year	8	6/09
Dubuque	Water efficiency Energy efficiency	\$ 8,866,967	\$ 6,308,020	\$ 2,058,947	\$ 500,000	Cap of \$1 million (DW + CW)	Installation of automatic meter reading system with leak detection	6.9% currently not recorded by large meters, will save \$676,000 per year in water/sewer revenues. Save \$142,000 in meter reading costs, \$1.3 million total in lost water. Reduction in water loss also reduces energy and chemical use. Each one million gallons costs \$154 in electricity and \$191 in chemicals and sludge removal	8	7/09
Ladora	Water efficiency Energy efficiency	\$ 78,000	\$ 62,400		\$ 15,600	20%	Installation of water meters	15% reduction of water pumped to the system, 12kW/day reduction	8	9/09
Ledyard	Water efficiency	\$ 35,280	\$ 28,224		\$ 7,056	20%	Installation of water meters	Reduce water consumption by 5-10%, or 300,000 to 600,000 gallons per year	8	8/09
Montrose	Water efficiency	\$ 191,950	\$ 153,560		\$ 38,390	20%	Installation of water meters	Estimated water loss is 35%, no data because no metering	8	8/09
North English	Water efficiency	\$ 272,160	\$ 217,728		\$ 54,432	20%	Installation of water meters	No data on water loss because no metering	8	7/09
West Des Moines	Water efficiency	\$ 2,515,120	\$ 2,012,096		\$ 503,024	20%	Installation of automatic meter reading system with leak detection	Allows early detection of water loss in system and for customers. Estimate reduction of water loss by 150,000,000 gallons/year	8	6/09
Boone*	Energy efficiency	\$ 67,536	\$ 54,029		\$ 13,507	20%	Install variable frequency drive on high service pump at water plant	Power savings of \$9,000 to \$25,000 per year	7	12/09
Boone	Water efficiency	\$ 156,240	\$ 124,992		\$ 31,248	20%	Water meter replacement	Current water loss is 20%. Goal is to get to 10%	7	9/09
Charles City	Water efficiency	\$ 503,975	\$ 403,180		\$ 100,795	20%	Installation of automatic meter reading system	Reallocate staff time to valve testing and	7	6/09

								exercising		
Denison	Water efficiency	\$ 537,062	\$ 430,486		\$ 106,576	20%	Replace water meters	Reduce water loss by 30-40%	7	7/09
Elma	Water efficiency	\$ 67,500	\$ 54,000		\$ 13,500	20%	Replace inaccurate meters	Reduce water loss from 38% to 10%, reduce energy usage by 30%	7	8/09
Fairfax	Water efficiency	\$ 308,448	\$ 246,758		\$ 61,690	20%	Installation of automatic meter reading system	Reduce unaccounted water from by 50% or as much as 5.1 million gallons per year	7	7/09
Hudson	Water efficiency	\$ 252,323	\$ 201,858		\$ 50,465	20%	Installation of automatic meter reading system	Reduce water loss	7	9/09
Iowa Association of Municipal Utilities*	Energy efficiency	\$ 779,041	\$ 624,501		\$ 154,540	20%	Conduct energy audits in municipal water and wastewater facilities, identify and install efficiency upgrades	Estimated savings of 1,425,499 kWh per year	7	1/10
Shiloh*	Energy efficiency	\$ 45,511	\$ 36,409		\$ 9,102	20%	Replace gas fired boiler heating system for water tower with energy efficient recirculation system using high efficiency motors, reduce water level in tower	Cut energy consumption in half	7	9/09
Spencer	Water efficiency	\$ 429,811	\$ 343,849		\$ 85,962	20%	Installation of automatic meter reading system with leak detection	Overall system loss currently exceeds 15%	7	9/09
Urbandale	Water efficiency	\$ 1,657,102	\$ 1,325,682		\$ 331,420	20%	Installation of automatic meter reading system with leak detection	Improve meter accuracy, provide early detection of leaks	7	7/09
		\$ 20,375,756	\$15,517,156	\$ 2,058,947	\$ 2,799,653					

* Indicates projects for which a “business case” will be required before funding can be committed. EPA guidance will be provided on the preparation of a business case. The purpose of the business case will be to demonstrate and document the project’s identifiable and substantial benefits qualifying for the green reserve

Proposed Infrastructure Projects by US Congressional District



- Clean Water Projects
- Drinking Water Projects

Proposed Green Projects by US Congressional District

